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1806

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/676,125*

DATE: 05/05/97
TIME: 15:24:16

INPUT SET: S17426.raw

> **This Raw Listing contains the General Information Section and up to the first 5 pages.**

```
1                              SEQUENCE LISTING
2
3    (1)    General Information:
4
5        (i) APPLICANT: MARKLAND, William
6                      LADNER, Robert Charles
7
8      (ii) TITLE OF INVENTION: KALLIKREIN-INHIBITING "KUNITZ DOMAIN"
9              PROTEINS AND ANALOGUES THEREOF
10
11    (iii) NUMBER OF SEQUENCES: 69
12
13     (iv) CORRESPONDENCE ADDRESS:
14          (A) ADDRESSEE: Browdy and Neimark
15          (B) STREET: 419 Seventh Street N.W., Ste. 300
16          (C) CITY: Washington
17          (D) STATE: D.C.
18          (E) COUNTRY: United States of America
19          (F) ZIP: 20004
20
21      (v) COMPUTER READABLE FORM:
22          (A) MEDIUM TYPE: Floppy disk
23          (B) COMPUTER: IBM PC compatible
24          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26
27     (vi) CURRENT APPLICATION DATA:
28          (A) APPLICATION NUMBER: US
29          (B) FILING DATE:
30          (C) CLASSIFICATION:
31
32    (vii) PRIOR APPLICATION DATA:
33          (A) APPLICATION NUMBER: PCT/US95/00299
34          (B) FILING DATE: 11-JAN-1995
35
36    (vii) PRIOR APPLICATION DATA:
37          (A) APPLICATION NUMBER: US 08/179,964
38          (B) FILING DATE: 11-JAN-1994
39
40    (vii) PRIOR APPLICATION DATA:
41          (A) APPLICATION NUMBER: US 08/208,264
42          (B) FILING DATE: 10-MAR-1994
43
44   (viii) ATTORNEY/AGENT INFORMATION:
45          (A) NAME: COOPER, Iver P.
46          (B) REGISTRATION NUMBER: 28,005
```

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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/676,125*

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INPUT SET: S17426.raw

```
47              (C) REFERENCE/DOCKET NUMBER: MARKLAND=1B
48
49      (ix) TELECOMMUNICATION INFORMATION:
50              (A) TELEPHONE: (202) 628-5197
51              (B) TELEFAX: (202) 737-3528
52
53
54      (2) INFORMATION FOR SEQ ID NO:1:
55
56      (i) SEQUENCE CHARACTERISTICS:
57              (A) LENGTH:8 amino acids
58              (B) TYPE: amino acid
59              (C) STRANDEDNESS: single
60              (D) TOPOLOGY: linear
61
62   (ii) MOLECULE TYPE: protein
63
64    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
65
66   Ile Val Gly Gly Thr Asn Ser Ser
67    1                   5
68
69   (2) INFORMATION FOR SEQ ID NO:2:
70
71      (i) SEQUENCE CHARACTERISTICS:
72              (A) LENGTH:58 amino acids
73              (B) TYPE: amino acid
74              (C) STRANDEDNESS: single
75              (D) TOPOLOGY: linear
76
77    (ii) MOLECULE TYPE: protein
78
79    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
80
81   Arg Pro Asp Phe Cys Leu Glu Pro Pro Tyr Thr Gly Pro Cys Lys Ala
82    1               5               10                  15
83
84   Arg Ile Ile Arg Tyr Phe Tyr Asn Ala Lys Ala Gly Leu Cys Gln Thr
85               20                  25                  30
86
87   Phe Val Tyr Gly Gly Cys Arg Ala Lys Arg Asn Asn Phe Lys Ser Ala
88               35                  40                  45
89
90   Glu Asp Cys Met Arg Thr Cys Gly Gly Ala
91        50                  55
92
93   (2) INFORMATION FOR SEQ ID NO:3:
94
95      (i) SEQUENCE CHARACTERISTICS:
96              (A) LENGTH:58 amino acids
97              (B) TYPE: amino acid
98              (C) STRANDEDNESS: single
99              (D) TOPOLOGY: linear
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/676,125*

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TIME: 15:24:21

INPUT SET: S17426.raw

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100
101         (ii) MOLECULE TYPE: protein
102
103         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
104
105  Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala
106   1               5                  10                  15
107
108  Ile Met Lys Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
109                20                  25                  30
110
111  Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu
112                35                  40                  45
113
114  Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
115        50                  55
116
117  (2) INFORMATION FOR SEQ ID NO:4:
118         (i) SEQUENCE CHARACTERISTICS:
119             (A) LENGTH:58 amino acids
120             (B) TYPE: amino acid
121             (C) STRANDEDNESS: single
122             (D) TOPOLOGY: linear
123
124         (ii) MOLECULE TYPE: protein
125
126
127         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
128
129  Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
130   1               5                  10                  15
131
132  Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
133                20                  25                  30
134
135  Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
136                35                  40                  45
137
138  Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
139        50                  55
140
141  (2) INFORMATION FOR SEQ ID NO:5:
142         (i) SEQUENCE CHARACTERISTICS:
143             (A) LENGTH:58 amino acids
144             (B) TYPE: amino acid
145             (C) STRANDEDNESS: single
146             (D) TOPOLOGY: linear
147
148         (ii) MOLECULE TYPE: protein
149
150
151         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
152
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INPUT SET: S17426.raw

```
153   Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
154    1               5                   10              15

155
156   Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
157               20                  25                  30

158
159   Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu
160               35                  40                  45

161
162   Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
163        50                  55

164
165   (2) INFORMATION FOR SEQ ID NO:6:
166        (i) SEQUENCE CHARACTERISTICS:
167             (A) LENGTH:58 amino acids
168             (B) TYPE: amino acid
169             (C) STRANDEDNESS: single
170             (D) TOPOLOGY: linear

171
172      (ii) MOLECULE TYPE: protein

173
174
175      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

176
177   Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala
178    1               5                   10              15

179
180   Asn His Leu Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
181               20                  25                  30

182
183   Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
184               35                  40                  45

185
186   Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
187        50                  55

188
189   (2) INFORMATION FOR SEQ ID NO:7:
190        (i) SEQUENCE CHARACTERISTICS:
191             (A) LENGTH:58 amino acids
192             (B) TYPE: amino acid
193             (C) STRANDEDNESS: single
194             (D) TOPOLOGY: linear

195
196      (ii) MOLECULE TYPE: protein

197
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

199
200   Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
201    1               5                   10              15

202
203   Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
204               20                  25                  30

205
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/676,125*

INPUT SET: S17426.raw

```
206    Phe Thr Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
207            35                  40                  45
208
209    Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
210        50                  55
211
212    (2) INFORMATION FOR SEQ ID NO:8:
213         (i) SEQUENCE CHARACTERISTICS:
214             (A) LENGTH:58 amino acids
215             (B) TYPE: amino acid
216             (C) STRANDEDNESS: single
217             (D) TOPOLOGY: linear
218
219         (ii) MOLECULE TYPE: protein
220
221
222         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
223
224    Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
225     1               5                  10                  15
226
227    Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Gln
228                20                  25                  30
229
230    Phe Thr Tyr Gly Gly Cys Ala Gly Asn Gln Asn Arg Phe Glu Ser Leu
231            35                  40                  45
232
233    Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
234        50                  55
235
236    (2) INFORMATION FOR SEQ ID NO:9:
237         (i) SEQUENCE CHARACTERISTICS:
238             (A) LENGTH:58 amino acids
239             (B) TYPE: amino acid
240             (C) STRANDEDNESS: single
241             (D) TOPOLOGY: linear
242
243         (ii) MOLECULE TYPE: protein
244
245
246         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
247
248    Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
249     1               5                  10                  15
250
251    Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
252                20                  25                  30
253
254
255    Phe Ile Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
256            35                  40                  45
257
258    Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/676,125*

INPUT SET: S17426.raw

Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US